

LONG-BILLED CURLEW RANGEWIDE SURVEY AND MONITORING GUIDELINES

PROJECT DURATION: Field work to start in Spring 2004, through the final written report and presentation in December 2005. Survey timing is from 21 Mar – 15 May

SCHEDULE:

YEAR ONE, 2004

1) A GIS based random-stratified sampling scheme, with habitat strata defined, including a allocation into subregions (e.g., by state or ecoregion) to achieve a more equal distribution in sampling effort. This sampling scheme will be a stratified random sample across Long-billed Curlews known breeding range. GIS products and written report due January, 2004.

Products:

- a. Survey area map and table with timing of the survey delineated (Stephanie Jones)
- b. Range map and table with sample routes delineated (Tom Stanley)
- c. A written protocol for implementation. The protocol will be reviewed and handbook completed by January, 2004 (Suzanne Fellows, lead. Steph Jones, Sue Thomas, Susan Skagen, Bill Howe, Tom Stanley).

2) Protocol and field work completed in March-June, 2004.

- a. Training and hiring of field workers, February 2004 (USGS)
- b. Implementation plan completed and tasks assigned, February 2004 (USGS and USFWS)
- c. Field work, March-June, 2004

3) Interim Reports, 2004

- a. Preliminary analysis and draft interim report November 2004 (USGS)
- b. Reviews completed 30 days after receipt of draft report (FWS)
- c. Final interim report completed January, 2005 (USGS).

Based on the initial field experiences, this report will recommend modifications to the protocol and study guidelines, if necessary, for future work in 2005.

YEAR TWO, 2005

1) Protocol and field work completed in March-June, 2005.

- a. Training and hiring of field workers, February 2005 (USGS)
- b. Implementation plan completed and tasks assigned, February 2005 (USGS and FWS)

Final written report and oral presentation on project due FWS December 2005. This report will include the monitoring plan and recommendations for further work outlined in Objective 2 (USGS).

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